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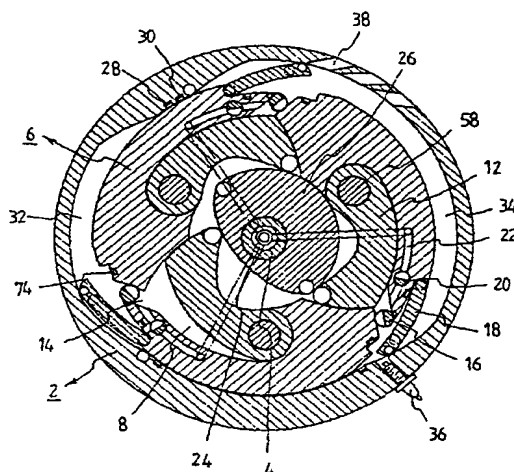
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(54) Title: ROTARY ENGINE



(57) Abstract: Disclosed herein is a rotary engine. The rotary engine includes pistons disposed in operating chambers of a rotary member. The pistons are guided by means of the guidance of guiding pieces engaged in a guiding groove formed at a housing so that the operating chambers are expanded. Each of the operating chambers is provided with an intake/exhaust port, which is opened or closed by means of a shutoff valve and a shutoff plate guided along guiding grooves formed at the housing. By means of the shutoff plates is partitioned an exhaust chamber, which is caved in the housing, when explosion occurs so that an explosion stroke is carried out at the rear part of the exhaust chamber, whereby a rotating force is obtained. After the explosion stroke is carried out, compressed air is supplied into the operating chambers through air-supplying channels, which are opened or closed by means of shutoff valves, so that gas left in the operating chambers is forcibly discharged. Consequently, introduction of lubricant through the intake/exhaust ports or leakage of pressure is prevented, and large power is obtained.

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